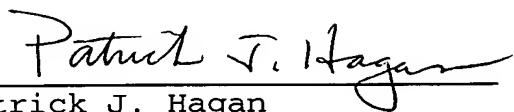


attached hereto.

The foregoing amendments do not introduce new matter into the present application and, therefore, should be entered without objection.

Early and favorable consideration of the present application is respectfully requested.

Dated: January 15, 2002

  
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10/031035  
531 Rec'd P 15 JAN 2002

MARKED-UP VERSION OF CLAIM AMENDMENTS

3. (Amended) Sensor device as claimed in Claim 1 [or Claim 2] wherein the impermeable polymer and the PVP are mixed intimately.
4. (Amended) Sensor device as claimed in [any of Claims 1 to 3] Claim 1 wherein the poly-vinylpyridine is derived from a compound containing a pyridine nucleus and a vinyl substituent[, most conveniently 4-vinylpyridine].
5. (Amended) Sensor device as claimed in [any of Claims 1 to 4] Claim 1 wherein the proportion of the poly-vinylpyridine is in the range 20 to 80%, [and preferably about 50%] (calculated on the total composition) by weight.
6. (Amended) Sensor device as claimed in [any of Claims 1 to 5] Claim 1 wherein the thickness of the membrane is in the range 1 to 50  $\mu$ m.
7. (Amended) Sensor device as claimed in [any of Claims 1 to 6] Claim 1 wherein the detecting means is [of] an electrochemical detecting means [nature, preferably an electrolytic detection device, particularly an electrode].
8. (Amended) Sensor device as claimed in [any of Claims 1 to 7] Claim 34 wherein the electrolytic detecting device operates in a liquid [or gel] phase electrolyte-containing medium[, preferably aqueous or aqueous-based].

9. (Amended) Sensor device as claimed in Claim 7 [or Claim 8] wherein the electrode is a metal electrode[, especially a platinum electrode].

10. (Amended) Sensor device as claimed in [any of Claims 7 to 9] Claim 7 wherein the electrode is in combination with a [reference or] counter electrode [,especially a silver/silver chloride counter-electrode, as for example in the so-called Clark electrode, which comprises a platinum electrode surrounded by a silver/silver chloride ring].

11. (Amended) Sensor device as claimed in [any of Claims 1 to 10] Claim 1 wherein the sample under examination reaches the electrode by diffusion.

12. (Amended) Sensor device as claimed in [any of Claims 1 to 11] Claim 1 wherein an enzyme is present to convert one analyte into another, for ease of detection.

13. (Amended) Sensor device as claimed in [any of Claims 1 to 12] Claim 1 wherein [additional materials, especially] a plurality of membranes made of other materials [(for example as multi-layer membrane product) is] are used in conjunction with a membrane composed of an impermeable polymer [(e.g. polyvinyl chloride)] and a polyvinylpyridine.

16. (Amended) Method for determining a component in a fluid sample, which comprises contacting the sample with a sensor

device as claimed in [any of Claims 1 to 15] Claim 1.

18. (Amended) Method as claimed in Claim 16 [or Claim 17] wherein the component to be determined is a low molecular weight, non-volatile compound[, for example a sugar or a neutral phenol].

19. (Amended) Method as claimed in [any of Claims 16 to 18] Claim 16 applied to the monitoring, measurement and assessment of one or more analytes[, especially in biological media, for example blood and other biological (e.g. bodily) fluids].

21. (Amended) Method as claimed in [any of Claims 16 to 20] Claim 17 wherein the mode of electrolytic analysis used is amperometric analysis [or pulsed amperometric determination (commonly known as "PAD")].

23. (Amended) Polymer compositions [characterised in that they are composed of] comprising an impermeable polymer together with a poly-vinylpyridine ("PVP").

24. (Amended) Polymer compositions as claimed in Claim 23 wherein the impermeable polymer is a polyvinyl chloride ("PVC") [so the composition comprises a polyvinyl chloride ("PVC") and a poly-vinylpyridine ("PVP").]

25. (Amended) Polymer compositions as claimed in Claim 23 [or Claim 24] wherein the impermeable polymer and poly-

vinylpyridine are mixed intimately.

26. (Amended) Polymer compositions as claimed in [any of Claims 23 to 25] Claim 23 which are in the form of a membrane.